

cies, and a most accurate judgement to discriminate one varying form from another. But though Algæ were the natural objects in which of late he chiefly delighted, he had a very extensive knowledge of marine zoology, and has made large additions to the Irish fauna. Born in very humble circumstances, imperfectly educated, and always with narrow means, he had to struggle through life with many hindrances to progress. That he overcame many of these hindrances is a proof of his talents and energy; that he did not overcome all may well be forgotten by those who have not had to struggle with any, and yet do not fear to criticize the short-comings of others. Mr. W. MacCalla fell a victim to cholera in May 1849, aged about 35."

METEOROLOGICAL OBSERVATIONS FOR SEPT. 1849.

Chiswick.—September 1. Heavy rain: lightning, with fine rain 10 P.M. 2. Fine: thunder and lightning, with rain 8 P.M. 3. Very fine: lightning, with rain at night. 4. Fine: cloudy: very clear at night. 5. Hazy: very fine: clear. 6. Clear and very fine. 7. Cloudy: very fine: cloudy. 8, 9. Fine. 10. Cloudy: heavy showers in the evening. 11. Hazy: very fine: clear. 12. Heavy rain. 13. Overcast: rain: clear. 14—16. Fine. 17. Clear and fine. 18. Clear and cold: cloudy. 19. Very fine. 20. Fine. 21. Showery: fine. 22. Fine. 23. Dusky haze. 24. Foggy: very fine: clear. 25. Foggy: exceedingly fine. 26. Foggy: fine: clear. 27. Fine: rain at night. 28. Clear: very fine: overcast. 29. Overcast: fine: heavy rain. 30. Rain.

Mean temperature of the month	57°·76
Mean temperature of Sept. 1848	55·96
Mean temperature of Sept. for the last twenty-three years	57·23
Average amount of rain in Sept.	2·73 inches.

Boston.—Sept. 1. Cloudy: rain P.M. 2. Cloudy: rain early A.M., with thunder and lightning. 3. Fine: rain early A.M., with thunder and lightning. 4. Cloudy. 5. Fine. 6. Fine: rain P.M. 7, 8. Cloudy. 9. Fine. 10. Cloudy: rain A.M. and P.M. 11. Cloudy. 12. Cloudy: rain A.M. and P.M. 13. Rain: rain A.M. 14, 15. Cloudy. 16. Fine: rain A.M. 17—20. Fine. 21. Fine: rain and hail early A.M. 22, 23. Fine. 24. Cloudy. 25—27. Fine. 28. Rain: rain A.M. 29, 30. Rain A.M. and P.M.

Applegarth Manse, Dumfries-shire.—Sept. 1. Dull A.M.: cleared: fine harvest day. 2. Hail: thunder: rain A.M.: fine P.M. 3. Dew-like shower A.M.: fine: sultry. 4, 5. Beautiful harvest day: sultry P.M. 6—8. Fine. 9. Showery all day. 10. Very wet A.M.: cleared and fine P.M. 11. Fair A.M.: shower P.M. and thunder. 12. Fair: dull P.M. 13. Fair: high wind. 14. Dull and threatening rain, but cleared and was fine. 15. A shower: looking unsettled. 16. Heavy rain early A.M.: thunder. 17, 18. Fine: very beautiful day. 19, 20. Fine: cloudy: fine harvest day. 21. Fine: cloudy: bar. falling. 22. Fair still. 23—26. Fair. 27. Fair: clear and cold. 28. Rain nearly all day. 29. Rain. 30. Storm of wind and rain.

Mean temperature of the month	53°·5
Mean temperature of Sept. 1848	53·1
Mean temperature of Sept. for the last twenty-five years .	53·0
Average amount of rain in Sept. for the last twenty years	3·13 inches.

Sandwick Manse, Orkney.—Sept. 1. Cloudy: drops. 2. Damp. 3, 4. Fog. 5. Bright: cloudy. 6. Cloudy. 7. Clear. 8. Bright: cloudy. 9. Bright: rain: aurora. 10. Bright: clear: aurora. 11. Cloudy: rain: aurora. 12. Rain: drizzle. 13. Rain: clear: aurora. 14. Bright: showers. 15. Cloudy: clear: showers. 16. Showers: aurora. 17. Clear: cloudy. 18. Cloudy: rain. 19. Clear: cloudy. 20. Cloudy: fine: cloudy. 21. Fine: cloudy. 22. Damp: cloudy. 23. Bright: cloudy. 24. Cloudy. 25—27. Bright: cloudy. 28. Cloudy: damp. 29. Bright: cloudy. 30. Bright: drops: clear.